

IN THE CLAIMS:

Please amend the claims as follows:

1. (original) A PWM driving apparatus comprising:
 - a PWM signal generating unit for generating first PWM signals and second PWM signals;
 - a first load-driving circuit which performs switching of power-supplying to a first load based on said first PWM signals; and
 - a second load-driving circuit which performs switching of power-supplying to a second load based on said second PWM signals,wherein said PWM signal generating unit comprises a duty setting portion for setting a duty based on command signals, a phase difference setting portion for setting a phase difference based on said duty, and a PWM signal generating portion for generating said first PWM signals and said second PWM signals based on said duty and said phase difference.
2. (original) The PWM driving apparatus according to claim 1, wherein
 - a following formula is satisfied:
$$\phi \text{ (degree)} = 360 \text{ (degree)} \times D \text{ (\%)} / 100 \text{ (\%)}$$
if said phase difference is ϕ (unit is degree) and said duty is D (unit is %).
3. (original) The PWM driving apparatus according to claim 1, wherein
 - a following formula is satisfied:
$$\phi \text{ (degree)} = 360 \text{ (degree)} - \{ 360 \text{ (degree)} \times D \text{ (\%)} / 100 \text{ (\%)} \}$$
if said phase difference is ϕ (unit is degree) and said duty is D (unit is %).
4. (original) A PWM driving apparatus comprising:
 - a PWM signal generating unit for generating first PWM signals and second PWM signals;
 - a first load-driving circuit which performs switching of power-supplying to a first load based on said first PWM signals; and
 - a second load-driving circuit which performs switching of power-supplying to a second load

based on said second PWM signals,

wherein said PWM signal generating unit comprises a carrier signal generator for generating carrier signals which are in a saw-tooth wave pattern, a first comparator for generating the first PWM signals by comparing said carrier signals with command signals, a reverser for generating reversal carrier signals in which said carrier signals are reversed, and a second comparator for generating the second PWM signals by comparing said reversal carrier signals with said command signals.

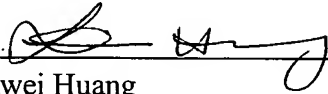
5. (currently amended) The PWM driving apparatus according to claim 1 ~~or 4~~, wherein said first load and said second load are motor fans for being mounted in a vehicle.

6. (new) The PWM driving apparatus according to claim 4, wherein said first load and said second load are motor fans for being mounted in a vehicle.

No new matter adds through the above amendments. Entry of the amendments is requested.

Respectfully submitted,
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